

EPS SSR-4
POWER BUS LOSS: RPDA N14B

| ACTION | EQUIP/FUNCTION LOST | CREW INDICATION | NOTES |
|--|--|--|--|
| <p>CRT</p> <div>SM 200 APCU Status</div> <p>√APCU 2 OUT VOLTS RES LOW = 0 If not, perform APCU DEACT, all (SODF: EPS).</p> | <p>RPCM N14B A (Type V) RPCM N14B B (Type V) RPCM N14B C (Type V)</p> | <p><u>Caution Messages:</u> Smoke Detector 1 Fail - NOD1</p> <p><u>Advisory Messages:</u> RPCM N14B A Loss Of Comm - NOD1 RPCM N14B B Loss Of Comm - NOD1 RPCM N14B C Loss Of Comm - NOD1</p> <p><u>Telemetry:</u> CRT</p> <div>SM 200 APCU Status</div> | <p>① For IMV valves, use manual override.</p> <p>② Normally the CBMs are powered off. Z1 truss and PMA 3 are attached during 3A using RPCMs N13B and N14B. If RPDA is lost before CBM operations have started, mating will not occur until redundant power sources are provided. If RPDA is lost during CBM operations, mating will continue with N13B which has the primary controllers.</p> <p>③ The APCU indications will only be valid if the bus failure is due to an APCU failure.</p> |
| <p>If crewmembers in Node 1 or FGB, turn on portable fans installed in Node 1.</p> | <p>1 Cabin Fan IMV Stbd Fwd Vlv IMV Aft Stbd Vlv IMV Aft Port Vlv IMV Aft Port Fan IMV Stbd Aft Vlv IMV Port Fwd Vlv</p> | <p>3 APCU 2 CONV A OUT AMPS ~0 APCU 2 CONV B Out AMPS ~0 APCU 2 OUT VOLTS RES LOW = 0</p> <p>PCS Node1: EPS</p> <div>Node1: EPS</div> <p>RPCM N14B A - not Active RPCM N14B B - not Active RPCM N14B C - not Active</p> | |
| <p>If CBM controllers were powered by secondary RPCs, perform CBM MATE MALFUNCTION, all (SODF: OSO); otherwise, continue CBM operations.</p> | <p>2 CBM N1 Nad Sec (1 --- 4) CBM N1 Zen Sec (1 --- 4) CBM N1 Fwd Sec (1 --- 4)</p> | | |
| | <p>LT Int NOD1SD2 LT Int NOD1OP4 LT Int NOD1OP2-1 LT Int NOD1OP2-2</p> | | |
| | <p>Smoke Detector 1</p> | | |